

We Claim:

## 1. A refrigerator, comprising:

a thermally insulating housing defining an internal area cooled by circulation of cooling air;

a hollow body disposed in said internal area and bounding a flow channel for guiding the cooling air; and

cooled item supports disposed in said internal area and supported on said hollow body.

## 2. The refrigerator according to claim 1, wherein:

said internal area has a first wall; and

said hollow body is disposed in contact with said first wall.

3. The refrigerator according to claim 1, wherein said first wall is a rear wall of said internal area.

4. The refrigerator according to claim 2, wherein said flow channel is bounded by said hollow body and said first wall.

5. The refrigerator according to claim 2, further comprising at least one connecting body holding said hollow body at said first wall.

6. The refrigerator according to claim 5, further comprising a stiffening part disposed behind said first wall, said connecting body connecting said hollow body to said stiffening part.

7. The refrigerator according to claim 2, wherein:

said internal area has a second wall adjacent said first wall;  
and

at least one projection is disposed on a second wall and holds said hollow body in said internal area.

8. The refrigerator according to claim 2, wherein:

said internal area has a second wall; and

at least one projection is disposed on a second wall adjacent said first wall and holds said hollow body in said internal area.

9. The refrigerator according to claim 7, wherein:

said internal area has third wall opposite said second wall;

at least one second projection is disposed on said third wall;

and

at least one of said first and second projections has:

a wedge-shaped cross-section with a steep face touching said hollow body when said hollow body is fitted in said internal area; and

an oblique face facing away from said hollow body when said hollow body is fitted in said internal area.

10. The refrigerator according to claim 9, where in each of said first and second projections is formed integrally with a respective one of said second and third walls on which said projection is disposed.

11. The refrigerator according to claim 1, wherein:

said cooled item supports have suspension hooks;

said hollow body has a plurality of holders disposed along at least one vertical line for holding said cooled item supports; and

said suspension hooks engage said holders to hold said cooled item supports.

12. The refrigerator according to claim 1, further comprising:

at least one vertical rail is disposed on the hollow body for holding said cooled item supports, said rail having:

at least one toothed latching strip; and

an opposing bearing strip oriented opposite said latching strip;

each of said cooled item supports has a lever section with:

an end selectively supported on said latching strip; and

an end selectively supported on said bearing strip.

13. The refrigerator according to claim 12, wherein:

said hollow body has an elongated cavity with boundary walls;

said boundary walls form said rail; and

said elongated cavity has a slot connecting said elongated cavity to said internal area.

14. The refrigerator according to claim 13, wherein:

said cavity has a face facing away from said internal area;  
and

said latching strip is disposed on said face.

15. The refrigerator according to claim 13, wherein:

said cavity has a face opposite said internal area; and

said latching strip is disposed on said face.

16. The refrigerator according to claim 13, wherein said slot is broadened at one end thereof to allow introduction of said lever section.

17. The refrigerator according to claim 16, wherein:

each of said cooled item supports has a supporting surface;  
and

said slot has an upper end and a lower end and is one of:

broadened at said upper end and said lever section is  
disposed above said supporting surface; and

broadened at said lower end and said lever section is  
disposed underneath a supporting surface.

18. The refrigerator according to claim 13, wherein:

said rail has a face oriented at substantially at right angles  
to at least one of said latching strip and said bearing strip;  
and

said slot extends along said face.

19. The refrigerator according to claim 12, wherein said rail  
is a profiled element with a T-shaped cross-section.

20. The refrigerator according to claim 19, wherein:

said T-shaped cross section has a transverse bar with surfaces  
facing away from one another; and

said latching strip and said opposing bearing strip are disposed on said surfaces of said transverse bar.

21. The refrigerator according to claim 1, wherein said cooled item supports have a locking lever for locking said cooled item supports with respect to said hollow body.

22. The refrigerator according to claim claim 12, wherein:

said cooled item supports have a locking lever for locking said cooled item supports with respect to said hollow body; and

said locking lever has a locking finger selectively moved between a locked position, in which said locking finger rests on one of said latching strip said opposing bearing strip, and a released position.

23. The refrigerator according to claim 1, wherein said hollow body has a locking bar for locking positions of said cooled item supports.

24. The refrigerator according to claim 23, wherein said cooled item supports each have a vertically oriented contour selectively engaged with said locking bar and preventing said

cooled item supports from pivoting when engaged with said locking bar.

25. The refrigerator according to claim 1, wherein said hollow body is a profile selected from the group consisting of:

an extruded profile; and

a shaped and non-cut profile of a material selected from the group consisting of metal and fiber-reinforced plastic.

26. The refrigerator according to claim 1, wherein:

said hollow body has air passage openings; and

actuator-controlled closure shutters are fitted to said air passage openings for selectively closing said air passage openings.

27. A refrigerator, comprising:

a thermally insulating housing defining an internal area cooled by circulation of cooling air;



a hollow body disposed in said internal area and bounding a flow channel for guiding the cooling air;

cooled item supports disposed in said internal area and supported on said hollow body, said cooled item supports having suspension hooks;

said hollow body having a plurality of holders disposed along at least one vertical line for holding said cooled item supports; and

said suspension hooks engaging said holders to hold said cooled item supports in said internal area.

28. A refrigerator, comprising:

a thermally insulating housing defining an internal area cooled by circulation of cooling air;

a hollow body disposed in said internal area and bounding a flow channel for guiding the cooling air;

cooled item supports disposed in said internal area and supported on said hollow body;

said hollow body having an elongated cavity with boundary walls defining at least one vertical rail for holding said cooled item supports, said rail having:

at least one toothed latching strip; and

an opposing bearing strip oriented opposite said latching strip; and

each of said cooled item supports having a lever section with:

an end selectively supported on said latching strip; and

an end selectively supported on said bearing strip.